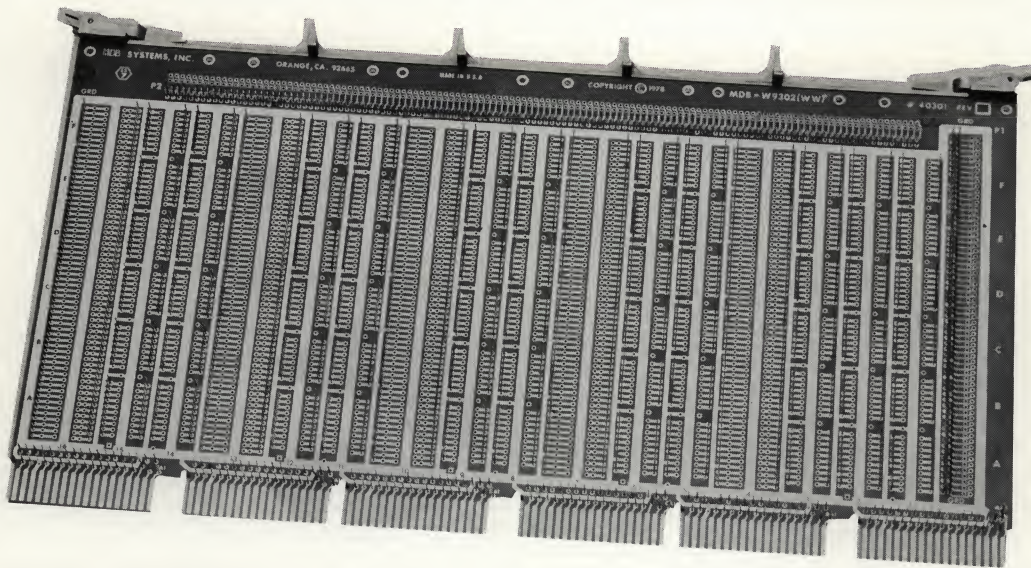# MDB

HEX WIRE WRAP BOARD
for use with
PDP*-11 Computers

MDB-W9500 Hex Wire Wrappable Module

- Use in any PDP-11 series computer
- Almost any combination up to 96 sockets or IC's from 14 to 40 pins can be accommodated
- Wrapping posts on components side of the board
- Permits half-inch spacing (takes one slot only)
- Will accommodate edge connectors for 16, 20, 26, 34 or 50 conductor ribbon cable

The MDB W9500 is a wire wrappable hex module designed for custom interface applications in DEC PDP-11 computers. It accommodates combinations of up to ninety-six 14, 16, 18, 22, 24 and 40 pin dual inline IC's or lo-profile sockets. Two-level wrapping posts are installed on the component side of the board permitting half-inch spacing within the mainframe using one hex slot.

The IC positions are easily located on the module by column and row identification, columns 1 through 16 and rows A through F. Columns 4, 7, 10, 13 and 16 have hole patterns which will accommodate either 14, 16, 22, 24 or 40 pin IC's. Up to three 40 pin or five 24 pin IC's can be installed per column.

Fifty-five of the ninety-six IC positions are dedicated to 16 pin sockets. These positions have pre-wired power and ground on pins 8 and 16. Eleven positions can accommodate 20 pin devices with power and ground connected to pins 20 and 10. When using 14 or 16 pin components in these positions a ground wire must be added between pins 7 and 8, 7 and 10, or 8 and 10. Power and ground decoupling pads are provided for fifty-five positions. These pads are plated thru holes of 0.3'' centers which will accommodate high frequency ceramic capacitors. Decoupling pads are also provided next to row A for five low frequency tantalum caps on 0.7'' centers.

Two input/output positions, P1 on the side (130 pins), and P2 on the top (250 pins), are provided on the module which can be used with 16, 20, 24, 26, 40 or 50 conductor ribbon cable edge connectors. The connector position located on the top edge of the module can be used as input/output cables to external devices or for interconnection between additional modules.

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